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Appl. No. 10/743,921

**Amendments to the Claims:**

Please amend the claims as indicated. This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of claims:**

1-14. (withdrawn)

15. (currently amended) An apparatus for cleaning catalyst selected for use in a group of confined spaces, consisting of inert spaces or other hazardous environment spaces, comprising:

a reactor vessel;

a robotic device having a cleaning arm connected to said robotic device;

wherein said robotic device is within the reactor vessel; and

the reactor vessel being free from having a human operator within the reactor vessel.

16. (currently amended) The apparatus according to claim 15, wherein said robotic device has a main body, a means for stabilizing said robotic device connected to the main body, a turret connected to the main body, and wherein said cleaning arm is connected to said turret.

17. (original) The apparatus according to claim 16, further including a vacuum line connected through the reactor vessel and through said robotic device to said cleaning arm.

18. (previously presented) The apparatus according to claim 15, further including a remote control station external to the reactor vessel in communication with said robotic device.

19. (original) The apparatus according to claim 15, further including an auger device connected to an end of said cleaning arm.

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20. (original) The apparatus according to claim 15, wherein said cleaning arm includes an articulatable frame assembly and a suction line mounted to said articulatable frame assembly.

21. (original) The apparatus according to claim 20, further including a fitting connected to said suction line; and  
a nozzle connected through the fitting.

22. (original) The apparatus according to claim 15, further including an inspection camera mounted on said cleaning arm.

23. (original) The apparatus according to claim 15, further including an attachment to an end of said cleaning arm wherein the attachment includes a means for removing agglomerated material from the reactor vessel.

24-25. (withdrawn)